

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

	I		· · · · · · · · · · · · · · · · · · ·			
Applicant's or agent's file reference MTO 03 1351 0954	FOR FURTHER See Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.					
International application No.	International filing date (a	day/month/year)	(Earliest) Priority Date (day/month/year)			
PCT/AU03/01202	15 September 2003		16 September 2002			
Applicant						
GENETIC TECHNOLOGIES	LIMITED et al					
This international search report has been prep Article 18. A copy is being transmitted to the		earching Authority and	is transmitted to the applicant according to			
This international search report consists of a t	total of 3 sheets.					
It is also accompanied by a cop	y of each prior art documen	t cited in this report.				
1. Basis of the report						
 With regard to the language, the which it was filed, unless otherway 			of the international application in the language in			
(Rule 23.1(b)).			ernational application furnished to this Authority			
b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:						
contained in the internation	onal application in written for	orm.				
filed together with the into	filed together with the international application in computer readable form.					
furnished subsequently to	this Authority in written fo	rm.				
furnished subsequently to	this Authority in computer	readable form.				
the statement that the subsapplication as filed has be		sequence listing does no	ot go beyond the disclosure in the international			
the statement that the info furnished	rmation recorded in compu	ter readable form is iden	itical to the written sequence listing has been			
2. Certain claims were found uns	searchable (See Box I).					
3. Unity of invention is lacking (See Box II).					
4. With regard to the title,	the text is approved as sul	bmitted by the applicant.				
X	the text has been establish	ned by this Authority to 1	read as follows:			
ACTN3 genotype screen for athletic performance						
5. With regard to the abstract, X	the text is approved as sul	bmitted by the applicant				
	The applicant may, within submit comments to this A	n one month from the da Authority.	8.2(b), by this Authority as it appears in Box III. te of mailing of this international search report,			
6. The figure of the drawings to be published with the abstract is Figure No.						
X	as suggested by the applic		X None of the figures			
	because the applicant faile	ed to suggest a figure				
	because this figure better	characterizes the inventi	on			



International application No.

PCT/AU03/01202

A.	CLASSIFICATION OF SUBJECT MATTER		•		
Int. Cl. 7:	C12Q 1/68; C12N 15/12				
According to l	International Patent Classification (IPC) or to both n	national classification and IPC			
В.	FIELDS SEARCHED				
	mentation searched (classification system followed by cla RONIC DATABASE BOX BELOW	ssification symbols)			
	searched other than minimum documentation to the exter RONIC DATABASE BOX BELOW	nt that such documents are included in the fields search	ned		
[WPIDS] [C. ACTININ 3;	base consulted during the international search (name of dA] [MEDLILNE] [FILE REGISTRY] ACTINE ALPHAACTININ 3; ATHLET?; PERFORM? ; MUSCUL?; MUTANT; MUTAT?	N; ALPHA-ACTININ; ACTN 3; ACTN3; A			
С.	DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where appre	opriate, of the relevant passages	Relevant to claim No.		
	Vainzof M, Costa CS, Marie SK, Moreira ES and Zatz M (1997). Deficiency of α-Actinin-muscular dystrophy. Neuropediatrics 28:223-	3 (ACTN3) occurs in different forms of			
Α	See the entire document.		1–32		
	North KN, Yang N, Wattanasirichaigoon D, A common nonsense mutation results in α-ac population. Nature Genetics 21:353–354.	, , ,	=		
Α	See the entire document.		1–32		
X Further documents are listed in the continuation of Box C See patent family annex					
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance earlier application or patent but published on or "X" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be					
after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Sometime of considered novel or cannot be considered to involve an inventive step when the document is taken alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art					
"O" docume exhibition "P" docume		cument member of the same patent family			
Date of the actu	al completion of the international search	Date of mailing of the international search report 2 7 OCT 2003			
	ng address of the ISA/AU	Authorized officer			
AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustralia.gov.au		DAVID OLDE Telephone No : (02) 6283 2569			

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International application No.

PCT/AU03/01202

C (Continua	tion). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages		
	Mills MA, Yang N, Weinberger RP, Vander Woude DL, Beggs AH, Easteal S and North KN (2001). Differential expression of the actin-binding proteins, α-actinin-2 and -3, in different species: implications for the evolution of functional redundancy. Human Molecular Genetics 10(13):1335–1346.		
Α	See the entire document.	1–32	
	Yang N, MacArthur DG, Gulbin JP, Hahn AG, Beggs AH, Easteal S and North K (2003). ACTN3 genotype is associated with human elite athletic performance. American Journal of Human Genetics 73:627–631.		
PΧ	See the entire document.	1–32	
	Zanoteli E, Lotuffo RM, Oliveira ASB, Beggs AH, Canovas M, Zatz M and Vainzof M (2003). Deficiency of muscle α-actinin-3 is compatible with high muscle performance. Journal of Molecular Neuroscience 20:39–42.		
PΧ	See the entire document.	1–32	